

## WHAT IS CLAIMED IS:

1 1. A method for managing dynamic resource reassignment within a system  
2 comprising the steps of:

3 tagging first missing resources in a system error log which are missing because  
4 of reassignment;

5 querying a configuration database in said system for resources identified as  
6 missing resources and adding said missing resources to a missing resource List as second  
7 missing resources;

8 updating said missing resource List by deleting any of said tagged first missing  
9 resources which are included in said missing resource List as second missing resources;  
10 and

11 executing a missing resource options procedure on missing resources in said  
12 updated missing resource List.

1 2. The method of claim 1, wherein said dynamic resource reassignment occurs  
2 between logical partitions (LPARs) of said system.

1 3. The method of claim 2, wherein said missing resources are tagged in response to  
2 reassignment from a first one of said LPARs of said system to a second one of said  
LPARs of said system.

1 4. The method of claim 1, wherein said configuration database is a configuration  
2 database for a logical partition (LPAR) within said system.

1 5. A computer program product for managing dynamic resource reassignment within  
2 a system, said computer program product embodied in a machine readable medium,  
3 including programming for a processor, said computer program comprising a program  
4 of instructions for performing the program steps of:

5 tagging first missing resources in a system error log which are missing because  
6 of reassignment;

7 querying a configuration database in said system for resources identified as  
8 missing resources and adding said missing resources to a missing resource List as second  
9 missing resources;

10 updating said missing resource List by deleting any of said tagged first missing  
11 resources which are included in said missing resource List as second missing resources;  
12 and

13 executing a missing resource options procedure on missing resources in said  
14 updated missing resource List.

1 6. The computer program product of claim 5, wherein said dynamic resource  
2 reassignment occurs between logical partitions (LPARs) of said system.

1 7. The computer program product of claim 6, wherein said missing resources are  
2 tagged in response to reassignment from a first one of said LPARs of said system to a  
second one of said LPARs of said system.

1 8. The computer program product of claim 5, wherein said configuration database  
2 is a configuration database for a logical partition (LPAR) within said system.

1 9. A computer system comprising:  
2 a central processing unit (CPU);  
3 a random access memory (RAM);  
4 a read only memory (ROM);  
5 an I/O adapter; and  
6 a bus system coupling said CPUs to said ROM, said I/O adapter, and said RAM,  
7 wherein a sub-system within said computer system further comprises:

8 circuitry for tagging first missing resources in a system error log which are  
9 missing because of reassignment;

10 circuitry for querying a configuration database in said system for resources  
11 identified as missing resources and adding said missing resources to a missing resource  
12 List as second missing resources;

13 circuitry for updating said missing resource List by deleting any of said tagged  
14 first missing resources which are included in said missing resource List as second  
15 missing resources; and

16 circuitry for executing a missing resource options procedure on missing resources  
17 in said updated missing resource List.

1 10. The computer system of claim 9, wherein said sub-system is a logical partition  
2 (LPAR) of a said system.

1 11. The computer system of claim 9, wherein one of said first missing resources of  
2 said system is a device coupled to said I/O adapter.

1 12. The computer system of claim 10, wherein said missing resources are tagged in  
2 response to reassignment from a first one of said LPARs of said system to a second one  
3 of said LPARs of said system.

1 13. The computer system of claim 9, wherein said configuration database is a  
2 configuration database for a logical partition (LPAR) within said system.

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1 14. A method for managing dynamic resource reassignment within a system  
2 comprising the steps of:

3 determining first missing resources that are missing because of reassignment  
4 within said system; and

5 updating a missing resource List by deleting any of said first missing resources  
6 which are included in said missing resource List.

1 15. The method of claim 14, where in said determining step comprises:

2 tagging said first missing resources in a system error log which are missing  
3 because of reassignment.

1 16. The method of claim 14 further comprising the step of:

2 generating said missing resource List by querying a configuration database in said  
3 system for resources identified as missing resources and adding said missing resources  
4 to said missing resource List; and

5 executing a missing resource options procedure on said missing resources in said  
6 updated missing resource List.

1 17. The method of claim 15 further comprising the step of:

2 generating said missing resource List by querying a configuration database in said  
3 system for resources identified as missing resources and adding said missing resources  
4 to said missing resource List; and

5 executing a missing resource options procedure on said missing resources in said  
6 updated missing resource List.

1 18. The method of claim 14, wherein said dynamic resource reassignment occurs  
2 between logical partitions (LPARs) of said system.

1 19. The method of claim 15, wherein said missing resources are tagged in response  
2 to reassignment from a first one of said LPARs of said system to a second one of said  
3 LPARs of said system.

1 20. The method of claim 16, wherein said configuration database is a configuration  
2 database for a logical partition (LPAR) within said system.

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1 21. A computer program product for managing dynamic resource reassignment within  
2 a system, said computer program product embodied in a machine readable medium,  
3 including programming for a processor, said computer program comprising a program  
4 of instructions for performing the program steps of:

5 determining first missing resources that are missing because of reassignment  
6 within said system; and

7 updating a missing resource List by deleting any of said first missing resources  
8 which are included in said missing resource List.

1 22. The computer program product of claim 21, where in said determining step  
2 comprises:

3 tagging said first missing resources in a system error log which are missing  
4 because of reassignment.

1 23. The computer program product of claim 21 further comprising the steps of:

2 generating said missing resource List by querying a configuration database in said  
3 system for resources identified as missing resources and adding said missing resources  
4 to said missing resource List; and

5 executing a missing resource options procedure on said missing resources in said  
6 updated missing resource List.

1 24. The computer program product of claim 22 further comprising the steps of:

2 generating said missing resource List by querying a configuration database in said  
3 system for resources identified as missing resources and adding said missing resources  
4 to said missing resource List; and

5           executing a missing resource options procedure on said missing resources in said  
6           updated missing resource List.

1           25.    The computer program product of claim 21, wherein said dynamic resource  
2           reassignment occurs between logical partitions (LPARs) of said system.

1           26.    The computer program product of claim 22, wherein said missing resources are  
2           tagged in response to reassignment from a first one of said LPARs of said system to a  
3           second one of said LPARs of said system.

1           27.    The computer program product of claim 23, wherein said configuration database  
2           is a configuration database for a logical partition (LPAR) within said system.

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- 1 28. A computer system comprising:  
2 a central processing unit (CPU);  
3 a random access memory (RAM);  
4 a read only memory (ROM);  
5 an I/O adapter; and  
6 a bus system coupling said CPUs to said ROM, said I/O adapter, and said RAM,  
7 wherein a sub-system within said computer system further comprises:  
8 circuitry for determining first missing resources that are missing because of  
9 reassignment within said system; and  
10 circuitry for updating a missing resource List by deleting any of said first missing  
11 resources which are included in said missing resource List.
- 1 29. The computer system of claim 28 further comprising:  
2 circuitry for tagging said first missing resources in a system error log which are  
3 missing because of reassignment.
- 1 30. The computer system of claim 28 further comprising:  
2 circuitry for generating said missing resource List by querying a configuration  
3 database in said system for resources identified as missing resources and adding said  
4 missing resources to said missing resource List; and  
5 circuitry for executing a missing resource options procedure on said missing  
6 resources in said updated missing resource List.

1 31. The computer system of claim 29 further comprising:  
2 circuitry for generating said missing resource List by querying a configuration  
3 database in said system for resources identified as missing resources and adding said  
4 missing resources to said missing resource List; and  
5 circuitry for executing a missing resource options procedure on said missing  
6 resources in said updated missing resource List.

1 32. The computer system of claim 28, wherein said dynamic resource reassignment  
2 occurs between logical partitions (LPARs) of said system.

1 33. The computer system of claim 29, wherein said missing resources are tagged in  
2 response to reassignment from a first one of said LPARs of said system to a second one  
3 of said LPARs of said system.

1 34. The computer system of claim 30, wherein said configuration database is a  
2 configuration database for a logical partition (LPAR) within said system.

1 35. The computer system of claim 31, wherein said configuration database is a  
2 configuration database for a logical partition (LPAR) within said system.